THERMOCHIMICA ACTA, VOLUME 148 (1989)

AUTHOR INDEX

Aizenshtat, Z. 405
Amador, J. 269
Arbanas, V. 281
Aronhime, J.S. 51

Bach, D. 355
Balek, V. 117
Bar, H. 405
Bar-On, P. 301
Barenholz, Y. 355
Beyer, H. 431
Bram, L. 445
Brown, M. 23, 45, 521
Bukovec, N. 281
Bukovec, P. 281

Casais, M.T. 269
Cascales, C. 269
Clavaguera-Mora, M.T. 261
Correa-Freire, M. 355
Cyganski, A. 319

Denoyel, R. 183
Deutsch, Y. 467, 485
Di Renzo, F. 41
Dollimore, D. 40, 63
Dombalov, Iv. 479
Dondur, V. 40

Eitan, A. 49, 387
Erez, Z. 485

Felner, I. 275
Flint, C.D. 289
Flynn, J.H. 45
Freire, E. 355
Fubini, B. 37
Fuchs, J. 325

Gábor, M. 431, 473
Gallagher, P.K. 229
Gebhardt, M. 493
Gow, A.S. 173
Grillet, Y. 39, 183, 191
Gruncharov, Iv. 479

Haines, P.J. 365
Heller-Kallai, L. 439
Hill, J.O. 341
Howell, B.A. 375

Ikan, R. 405
Izvekov, V.P. 431

Janoschek, J. 499, 507
Janssen, F. 137
Jovanović, S.B. 311

Kahr, G. 457
Kaisersberger, E. 493, 499, 507
Kamimoto, M. 219
Kashchieva El. 479
Kirsh, Y. 197, 485
Kochavi, M. 485
Korce, S. 341
Kubas, Z. 533
Kunihisa, K.S. 335

Langier-Kuźniarowa, A. 413
Lietti, L. 42
Lin, I.J. 301
Lukić, S.R. 311

Mackenzie, R.C. 57, 439
Majewski, T. 319
Mendelovici, E. 205
Migaly, B. 473
Milanović, LJ.S. 311
Miller, I.R. 355
Morabito, P. 513
Müller-Vonmoos, M. 457

Nadiv, S. 301
Nathan, Y. 467

Odlyha, M. 289
Ozawa, T. 28, 219

Pelovski, Y. 479
Petrović, D.M. 311
Phillips, J. 40, 173
Pöppl, L. 431
Pysiak, J. 165

Rasines, I. 269
Rasulić, G.M. 311
Reller, A. 53
Rouquerol, F. 183, 191
Rouquerol, J. 39, 183, 191
Rub, A. 457

Sandler, A. 467
Sarig, S. 325
Sato, K. 295
Sato, T. 249, 295
Satomi, Y. 335
Segal, E. 45, 127
Selivansky, D. 52, 381
Šesták, J. 45, 79, 235
Shalev, I. 50
Sharon, S. 347
Shoval, S. 197, 485
Shuali, U. 445
Sinkó, K. 473
Steinberg, M. 445
Stoch, L. 149
Szałkowicz, M. 533

Tamir, I. 49, 387
Thompson, T.E. 355
Toneva, A. 479
Turi, E.A. 13

Vaccari, A. 42

Wassmer, E. 499
Więckowska, J. 541
Wiedemann, H.G. 95
Wunderlich, B. 18

Yadin, E. 485
Yariv, S. 1, 197, 421, 445, 457
Yu, B.L. 395

Zadok, E. 49, 387
Zvilichovsky, B. 49

THERMOCHIMICA ACTA, VOLUME 148 (1989)

SUBJECT INDEX

Actinides, oxides and hydroxides, thermal properties of,249
Adsorption microcalorimetery, characterization of microcrystalline surfaces of ZnO,191
Adsorption volumetry, characterization of microcrystalline surfaces of ZnO, 191
Al_2O_3 powders, mechanochemical transformations of,301
Alkali metal chlorides, interactions with kaolinite,431
Aluminum phosphate, thermal decomposition of,295
Ammonium nitrate, reaction with zinc oxide,311
Amun Temple in Qurna, Deir el Bahari, Egypt,95
Ancient materials,95
Apatite, mechanochemical activation,479
Atmosphere, interaction with superconductors,229
Barium oxide or carbonate, synthesis of superconductors,219
Bimetallic catalysts,137
Binary and ternary compounds, Y-Ba-Cu-O systems, superconductors,235
Black powder,521
Bricks, burnt, thermal simulation, 485
Butylamine, treatment with sepiolite and palygorskite,445
Calcite, interaction with kaolinite,439
Calcium chloride, energy storage material,281
Calorimetry in surface science and catalysis,37
Calorimetry of glass transition,261
Calorimetry of porous and divided materials,183
Carbon black, oxidation,63
Carbon, active, zinc acetate, catalyst, 395
Catalysis, thermal analysis techniques, 137
Catalysis, zinc acetate-active carbon, 395
Catalysts, porous and divided materials,183
Characterization of non crystalline solids by diffusion structural analysis (DSA),117
Characterization by thermal analysis, coal,541
Characterization by thermal analysis, organic materials,49,325
Characterization by thermal analysis, superconductors,53,219,229,235,269
Characterization by thermal analysis, surface reactions and catalysis, 37, 137,173,183
Chemisorption, heterogeneous surface, mathematical analysis of,173
Cholesteryl cinnamates, phase transitions of,335
Clay rocks containing kerogen,533
Clay minerals, thermal analysis and calorimetry of,183,413
Coal,507,541
Cobalt thiocyanatobismuthates, thermal decomposition of,319
Combined STA-QMS instrument,493
Concrete, thermal conductivity and diffusivity measurements of,513
Conversion functions, nonisothermal, kinetic analysis of,127
Cordierite, ceramic, melting of,499
Cristobalite in flint pebbles,485
Crystal violet, treatment with smectite minerals,457
Crystallinity index, quartz, high-low inversion of,467
Crystallization,polymeric materials,365
Cupric sulfate, dehydration of,507
Cure studies, polymeric materials,365
Degradation,polymeric materials,365,375
Dehydration of $CaCl_2.6H_2O$,281
Dehydration of $MgBr_2.6H_2O$,197
Differential heat of adsorption, heterogeneous surface, mathematical analysis of,173
Differential thermometry,57
Diffusion structural analysis (DSA), principles and applications,117
Dilatometry of minerals,421
Divided materials, 183
Dolomite - silicon dioxide, thermal reactions between,473
Education Committee, Thermal Analysis, achievements and goals of,13
Education, thermal analysis, Japan,28
Education, thermal analysis, South Africa,23
Electrical properties of superconductors,229
Energetic materials,521
Enthalpy determination by heat flux DSC,499
Evolved gas analysis of minerals,421, 457

Fibers, polyester, glass transition, DSC study of,381
Fillers, thermal analysis and calorimetry of porous and divided materials,183
Fossil fuels, isothermal pyrolysis,405
Furnace, vacuum, high temperature,79
Gas adsorption microcalorimetry in study of structure, homogeneity and microporosity,183
Glass transition temperature, DSC study of,381
Glass transition, calorimetric measurements of,261
Glucosyl ceramide in aqueous phase, metastability of,355
Grain size,thermal analysis of coal,541
Grain size, thermal dissociation,165
Graphite, Poco, Specific heat capacity, 499
Hazardous materials,521
Heat capacity and glass transition,261
Heat resistant fibrous insulations, thermal response in,49
Heat storage material, $CaCl_2.6H_2O$, 281
Heterogeneous catalysis, thermal analysis techniques,37,137,173,183
Heterogeneous surface in chemisorption, mathematical analysis of,173
Hydration, effect on glucosyl ceramide, 355
Hydrocarbon thermolysis, thermodynamic analysis of,347
Hydrogen reduction of superconductors, 229
Hydrothermal synthesis of inorganic materials,205
Incense, DSC curve of,95
Iron age conflagration at Tel-Hadar, Israel,485
Japan, progress in thermal analysis education in,28
Kaolinite, interactions with organic and inorganic salts,431
Kaolinite, interaction with calcite,438
Kerogen,simultaneous TG-DTG-DTA-EGA,533
Kinetics of superconductors formation, 219
Kinetics, dehydration of clays,413
Kinetics, isothermal pyrolysis, fossil fuels and vinyl polymers,405
Kinetics, nonisothermal, analysis,127
Kinetics, organic reactions and thermal decompositions,325
Kinetics, structural thermochemistry of solids,149
Kinetics, thermal dissociation of solids,165
Kinetics, thermal explosion,521
Kinetics, workshop,45
La based superconductors,235
Lanthanides, oxides and hydroxides, thermal properties of,249
Laponite, treatment with crystal violet, DTA and EGA of,457
Magnesium bromide, dehydration of, 197
Magnetic materials, glassy, 79
Mechanical and surface properties of solids, temperature dependent factors in,63
Mechanochemical activation, Kola apatite,479
Mechanochemical transformations in Al_2O_3 powders,301
Metal-support interaction,catalysts,137
Methacrylic monomers,photocuring,49,387
Methanation,137
Minerals, thermal analysis of,421
Mobility of inert gases in metals, ionic crystals and ceramics,117
Montmorillonite, treatment with crystal violet, DTA and EGA of,457
Montmorillonites, interlayering,413
Nickel thiocyanatobismuthates, thermal decomposition,319
Nylon 6.6 yarns, process control, use of DSC in,49
Organic compounds, thermal analysis of, 49,325
Oxygen exchange in superconductors,229
Palygorskite, treatment with organic amines, IR study of,445
Phase diagram in Y-Ba-Cu-O superconductor systems,235
Phase transitions in KH_2PO_4 and $NH_4H_2PO_4$,289
Phase transitions of cholesteryl cinnamates,335
Phenol determination by thermometric titrimetry,341
Phenolic resin, curing, degradation and carbon-silica reaction in,493
Phosphate of aluminium, thermal decomposition of,295
Phosphates, Kola apatite, mechanochemical activation,479
Phosphates,DSC of phase transitions,289
Phosphatidylcholines, effect on glucosyl ceramide,355
Photocuring of a ternary mixture of methacrylic monomers,387
Poly(butylene terephthalate), melting of, 499
Poly(ethylene terephthalate), DSC study of,381
Poly(vinylidene chloride), degradation of,375
Polymeric materials, thermal analysis of,365

Polymorphic transitions of organic compounds,49,325
Porosity of solids,165
Porous and divided materials, thermal analysis of,183
Potassium acetate, interactions with kaolinite,431
Process control of nylon 6.6 yarns,the use of DSC in,49
Pt substituted superconductors,235
Pyridine, treatment with sepiolite and palygorskite,445
Pyroceram, Specific heat capacity of, 499
Quartz, high-low inversion,467
Reduction, in superconductors,53,229
Refractory oxides, high temperature treatment of, 79
Rubber, compositional analysis by thermo microbalance,507
Sand, thermal conductivity and diffusivity measurements of,513
Scarab, TG and TMA curves of,95
Sepiolite, treatment with organic amines, IR study of,445
Silicon dioxide - dolomite, thermal reactions between,473
Simultaneous TG-DTA/DSC, coupled to a mass spectrometer,493
Solid solutions of inorganic materials, 205
Solids, activation and sintering of,63
Solids, structural thermochemistry of, 149
Solids, thermal dissociation of,165
Solids, thermal treatment of,79
South Africa, thermal analysis education in,23
Specific heat determination by heat flux DSC,499
Specific heats of organic compounds,325
Sulfidic superconducting materials,53
Superconductors, characterization by thermal analysis,53,219,229,235,269, 275
Superconducting oxide ceramics, low temperature characterization,79
Surface and mechanical properties of solids, temperature dependent factors in,63
Surface heterogeneity in chemisorption, 37,173
Surfaces of ZnO, homogeneous, heterogeneous and lateral,191
Synthesis of superconductors,219
Synthesis, thermal, of inorganic materials,205
Temperature programmed desorption, reduction and oxidation in heterogeneous catalysis,137
Temperature programmed techniques in surface science and catalysis,37
Thermal analysts, education of,18
Thermal conductivity and diffusivity measurements,513
Thermal decomposition of aluminium phosphate,295
Thermal decomposition of hydroxides of lanthanides and actinides,249
Thermal decomposition of $MgBr_2.H_2O$, activation energies,197
Thermal decomposition of Co, Ni and Zn thiocyanatobismuthates,319
Thermal stability of superconductors, 269,275
Thermo microbalance, eliminating buoyancy effects in,507
Thermodynamic analysis of hydrocarbon thermolysis,347
Thermoluminescence of minerals,421
Thermolysis by thermodynamic analysis, hydrocarbons,347
Thermomechanical synthesis of inorganic materials,205
Thermomechanical transformations in Al_2O_3 powders,301
Thermometric titrimetry, phenol determination by,341
Thermometry,57
Thiocyanatobismuthates, thermal decomposition of,319
Topotaxy and topochemical and intrinsic processes,149
Transformations, polymorphic,49
Uranium oxides and hydroxides, thermal properties of,249
Vinyl acetate, synthesis from acetylene and acetic acid, zinc acetate - active carbon catalyst for,395
Vinyl polymers, isothermal pyrolysis of,405
Workshop, calorimetry and thermal analysis in surface science and catalysis,37
Workshop, education,13
Workshop, kinetics,45
Workshop, study of organic materials by thermal analysis,49
Workshop, superconducting materials,53
Zeolite catalysis, thermal analysis techniques in,137
Zinc acetate - active carbon catalyst, 395
Zinc oxide, adsorption of Kr, Ar and N_2,191
Zinc oxide, reaction with ammonium nitrate melt,311
Zinc thiocyanatobismuthates, thermal decomposition of,319